

Blow Back Sample Gas Probe

SGP1-BB



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FEATURES

- » Used in Gas Analyzer Conditioning
- » Stainless steel construction
- » Optional Calibration / Optional Auto Blowback
- » Flange Mount
- » Probe Temperature more than 130°C
- » Low-Temperature Alarm
- » Smart Programmable Blowback Controller
- » Dust And Water Protection

ADVANTAGES

- » Economical
- » Ease of Maintenance & Operation
- » Outdoor and Indoor application
- » Replacement of filter element without any tool
- » Less Volume & Fast Response time

DESCRIPTION

In any sample gas conditioning, the sample take-off point is a very challenging part of the process and sample conditioning system. Hence the AXIS sample gas probe SGP1-BB is specifically designed for this harsh and robust environment with competitive cost.

The reliable and long-term operation of any process analyzer depends upon the efficiency of the sample conditioning system for which dust, solid particulate, and moisture-free sample gas is essential.

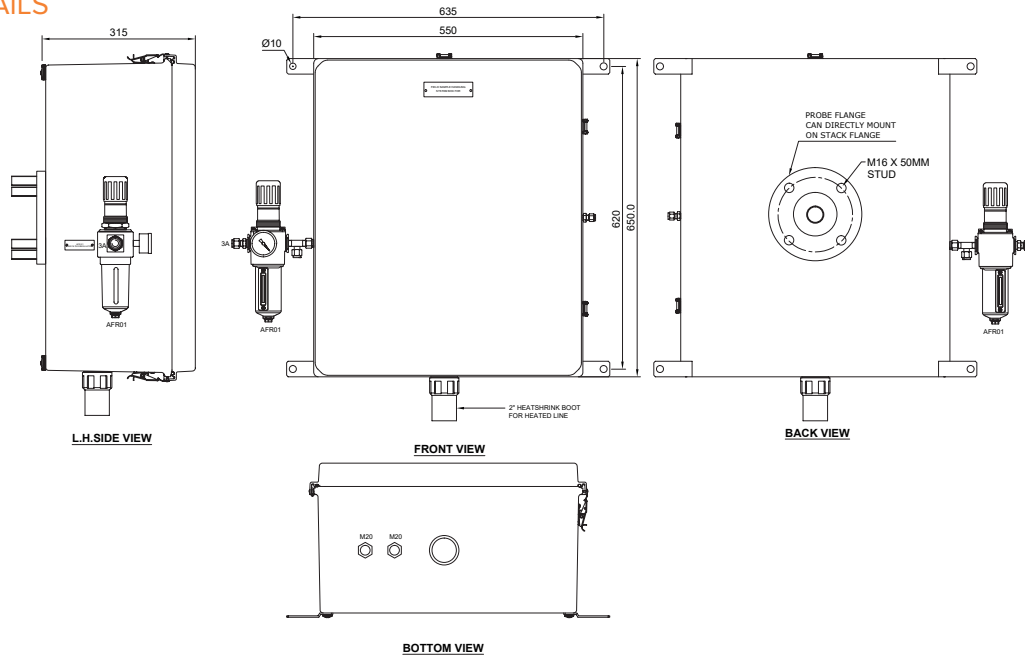
SGP1-BB is equipped & designed with efficient variable filters by removing aerosols, dust content, and humidity by ensuring the security of the analyzer as well as further sample conditioning system.

The main application of SGP1-BB is to extract the gas for analysis in the Continuous Monitoring and Emissions System. SGP1 ensures easy mounting and installation, safe operation, and trouble-free maintenance

The internal filter element can be changed without any tool and disassembling of the sample lines. The complete filter assembly is removed from the probe head side. This makes it simpler to check the filter element & gasket condition.

The SGP1-BB heated probe power supply can be in either 110 VAC or 230 VAC as per customer requirement. There is no temperature control required as the self-regulating heater is present. The separate thermostat provides for low-temperature monitoring. For electrical connection to SGP1, a separate Junction box is provided

DIMENSION DETAILS



All Dimension are in MM

TECHNICAL SPECIFICATION

General	Mounting Angle	5° - 15° recommended
	Mounting	Flange
	Sample	Flue Gas or process gas
	Weight	Approx. 8 Kg
Material	Probe Flange	SS 316 (45°,135°,225°,315°)
	Probe Body	SS 316
	Probe Filter	SS 316 Pleated, SS 316 Sintered, Ceramic (Optional)
	Protective case	Fiberglass
Connections	Sample Gas Inlet	3/4" BSP (F)
	Sample Gas Outlet	1/4" NPT (F)
	Purge port	1/4" NPT (F) (Optional)
Electrical	Power Supply	110 VAC or 230 VAC, 50 Hz
	Probe heating	more than 130°C
	Ready for Operation	after 45-60 min
Functionality	Sample pressure	Max. 6 bar
	Dust Load	2 gram / Nm ³
	Ambient Temperature	0°C to + 80°C
	Media Temperature	Max. 140°C
	Low Temperature Alarm	< 120°C (Optional)
	Filter Chamber Volume	Approx. 28.27 cm ³
	Filter Porosity	0.5, 5, 10 Micron
	Operating Ambient temperature (protecting case)	-20 to +55°C (IP66)

Note 1 : 0.5 Micron with SS 316 Sintered Filter.

Note 2 : 5 Micron with All Types.

Note 3 : 10 Micron with SS 316 Pleated

Note 4 : 0.3 Micron with Ceramic Filter

ORDERING INFORMATION

SGP1	Description	
	Type of Probe	
1		Heated
	Power Supply	
0		None for unheated probe
1		110 VAC, 50 Hz
2		230 VAC, 50 Hz
	SS 316 Flange Size	
0		2" 150# RF
1		Others
	Type of filter Element	
0		SS 316 Pleated
1		SS 316 Sintered
2		Ceramic
	Probe Extension 3/4" Dia. (SS 316) Pipe length	
0		1000 mm
1		1500 mm
2		Others
	Retention Rate	
0		0.5 Micron (Note 1)
1		5 Micron (Note 2)
2		10 Micron (Note 3)
3		0.3 Micron (Note 4)
	Type Of Air Accumulator	
0		5.5 Ltr
1		3.3 Ltr
	PLC	
0		Without PLC
1		With PLC